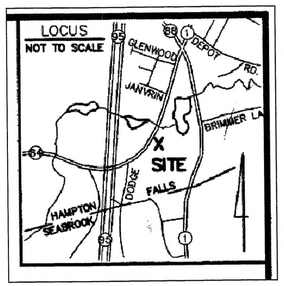
## LOCUS MAP

NOT TO SCALE




SOIL CLASS: 140–CHATFIELD/HOLLIS/CANTON
538 – SQUAMSCOTT

(SOURCE: USDA–SCS SOIL SURVEY)

**BENCH MARKS:** DATUM = ASSUMED

#1 SET HUB EL 50.00

#2 SET NAIL 30" OAK EL 53.33

#3 COR GRANITE CAP END RET WLL EL 51.93

#4

**DESIGN INTENT:**

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 48.5
2. THERE IS/ARE APPROX 18"FT BELOW ORIGINAL (EL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. 50)

**SUITABLE REPLACEMENT AREA:**

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

**LEGEND:**

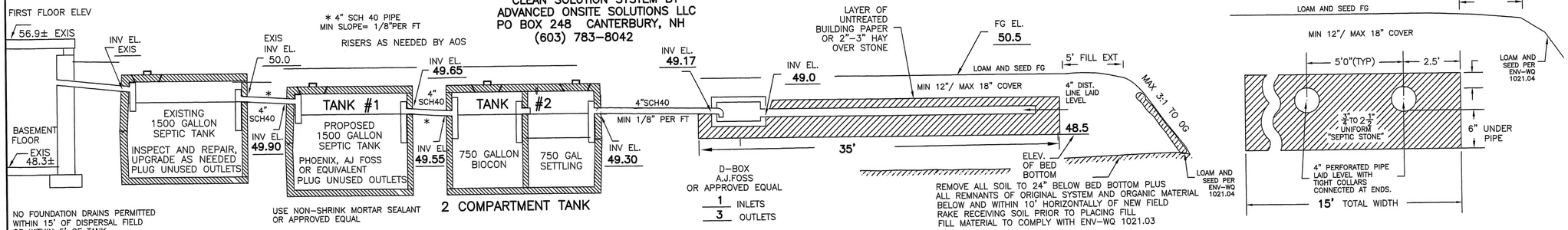
| | |
|---|---|
| 50 / (50) | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| 50.0 | EXISTING SPOT ELEVATION |
| (50.0) | PROPOSED SPOT ELEVATION |

**NOTES:**

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D27017
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A OVER 5 ACRES

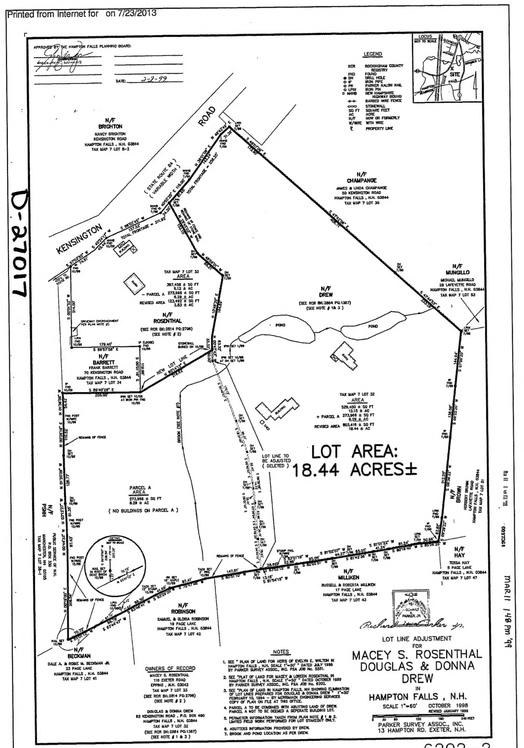
   PREVIOUS CONSTRUCTION APPROVAL #185508 (1991)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE WASTE FROM JACUZZI/HOT TUB SYSTEMS. BACKWASH FROM SAME OR WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL
4. NO SURFACE WATER, WELL, OR HYDRIC A SOILS WITHIN 75' OF PROPOSED SYSTEM. NO HYDRIC B SOILS WITHIN 40' OF PROPOSED SYSTEM.
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.
6. PROPOSED ISDS IS DESIGNED TO SERVICE 1 STRUCTURE WITH DISHWASHER, WASHING MACHINE, TOILETS, TUB/SHOWERS, GARBAGE DISPOSAL, AND EJECTOR PUMP.
7. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL
8. BY SIGNING APPLICATION FOR APPROVAL OF THIS PLAN, OWNER ACKNOWLEDGES THAT HE HAS BEEN ADVISED THAT PROPER FUNCTION OF SEPTIC SYSTEMS CAN BE INHIBITED OR DISRUPTED BY THE FOLLOWING:
   A) GARBAGE DISPOSAL OR OTHER CHEMICAL OR BIOLOGICAL ADDITIVES.
   B) EXCESSIVE USE OF BLEACH OR OTHER CLEANING PRODUCTS.
   C) OVERWATERING OF IRRIGATION SYSTEMS.
   D) DRASTIC FLUCTUATION IN AMOUNT AND COMPOSITION OF WASTE STREAM.

   DESIGNER RECOMMENDS THAT AOS MAINTENANCE BE CONDUCTED AT LEAST ONCE PER YEAR.




## CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

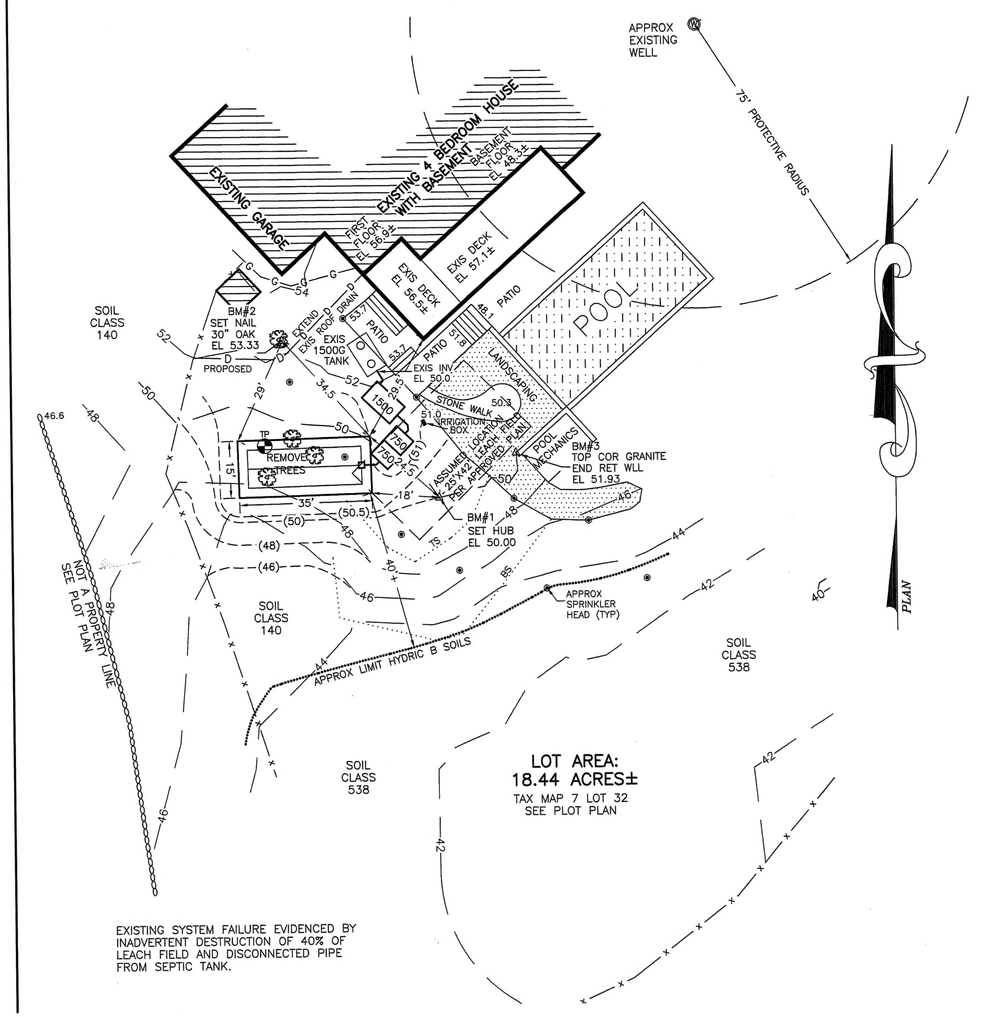
ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE ADVANCED ONSITE SOLUTIONS CONTRACT ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.




PLOT PLAN

SCALE: 1"=APPROX 200'

## PLAN : 1"=20'




EXISTING SYSTEM FAILURE EVIDENCED BY INADVERTENT DESTRUCTION OF 40% OF LEACH FIELD AND DISCONNECTED PIPE FROM SEPTIC TANK.

## TP TEST PIT DATA

DATE: JULY 31, 2013

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 ELEV 49.0±

| | |
|---|---|
| 0 – 8" | LOAM AND ROOT MAT (TO BE REMOVED) |
| 8 –24" | 10YR5/6 GRAVELLY FINE SANDY LOAM GRANULAR FRIABLE |
| 24–43" | 2.5Y6/4 GRAVELLY LOAMY SAND GRANULAR FRIABLE |
| 43–65" | 2.5Y4/3 GRAVELLY LOAMY SAND GRANULAR FRIABLE, MOTTLED |

ESHWT @ 43", NO OSERVED WATER, NO REFUSAL
ROOTS TO 48"+

## PT PERC TEST DATA

PERC RATE: N/A CLEAN SOLUTION SYSTEM

DESIGN LOADING: EXISTING 4 BEDROOM HOUSE

AREA REQUIRED: 250 SF DISPERSAL FIELD REQUIRED PER AOS SPECS TO ACCOMODATE EJECTOR PUMP AND GARBAGE DISPOSAL

AREA PROPOSED: 15' X 35' = 525 SF DISPERSAL FIELD PROVIDED

REPLACEMENT

# SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 62 KENSINGTON ROAD
HAMPTON FALLS, NH
TAX MAP 7 LOT 32

OWNER: TODD M. DUCHENE REVOCABLE TRUST
62 KENSINGTON ROAD
HAMPTON FALLS, NH 03844

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Anne W. Bielobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

DATE: AUGUST 8, 2013

APPROVAL: CA2013115200
10/04/13 662

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS MAINTENANCE CONTRACT SUBMITTED WITH APPLICATION FOR SYSTEM APPROVAL.

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 ENV–WS 1023.04 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM. TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.